

CURRICULUM VITAE

EDWARD J. FORMOSO

Forensic Toxicologist

Washington State Toxicology Laboratory
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EMPLOYMENT:

- **Forensic Toxicologist Supervisor** - Washington State Toxicology Laboratory, Seattle, WA. August 2001 to present
- **Forensic Toxicologist** - Washington State Toxicology Laboratory, Seattle, WA. May 1972 to July 1975, January 1977 to February 1982, and June 1983 to August 2001
- **Toxicologist** - King County Medical Examiner, Toxicology Laboratory, Seattle, WA. October 1975 to September 1976

EDUCATION:

- **Bachelor of Science** - Chemistry, Pacific Lutheran University, Tacoma, WA, May 1972

TRAINING:

- **Alcohol Related Studies** - Conducted, observed, and participated in alcohol related studies, including effects on subjects, metabolism rates, blood/breath ratios, and accuracy of the Breathalyzer and BAC Verifier during the period from 1972 to present
- **HPLC Method Development Course** – Dr. Yuri Kazakevich, Seton Hall University and Restek Corporation, Foster City, CA, October 2004
- **Practical Applications for LCMS in Routine Toxicology Testing** – Society of Forensic Toxicologists, Portland OR, October 2003
- **Forensic Toxicology of Metals** – Society of Forensic Toxicologists, Portland OR, October 2003
- **Antidepressant Workshop** – Society of Forensic Toxicologists, Portland OR, October 2003
- **Drug Recognition Cannabis Workshop** - Canadian Society of Forensic Science, Vancouver British Columbia, March, 2003
- **The Effects of Drugs on Human Performance and Behavior** - Borkenstein Center for Studies of Law in Action, Indiana University, March 2002
- **Comprehensive Gas Chromatography Training Seminar** - Restek Corporation, Seattle WA, October 2001
- **LC-MS Workshop** - David Presser, Agilent Technologies, Bellevue WA, February 2001
- **The Tragedy of Hate Crimes and the Response of the Forensic Sciences** - American Academy of Forensic Sciences, Seattle WA, February 2001
- **Drugs, Driving and Human Performance Testing** - American Academy of Forensic Sciences, Seattle WA, February 2001

- **GCMS Troubleshooting Workshop** - Abe Sanoja, Northwest Association of Forensic Sciences, Seattle WA, October 2000
- **The Rave Culture, Ravers and their Drugs** - Jim Mock, Washington State University, Vancouver WA, July 2000
- **Issues in Urine Testing for Amphetamine and Methamphetamine** - Teleconference conducted by Dr. Leo Kadehjian, Washington State Toxicology Laboratory, Seattle WA, September 1999
- **The Effects of Alcohol and Drugs on Human Performance and Behavior** - Northeastern Association of Forensic Scientists, Albany NY, July 1999
- **Tricyclic Antidepressants: Use and Detection** - Teleconference conducted by Dr. Leo Kadehjian, Washington State Toxicology Laboratory, March 1999
- **Validation of Field Sobriety Tests at 0.05 and 0.08, and Effects of Low Levels of Alcohol and Driving** - Marcelline Burns PhD, Washington State Toxicology Laboratory, November 1998
- **Gaze Nystagmus for Traffic Law Enforcement** - Robert Yolton, Ph.D., O.D., Pacific University, Seattle WA, December 1997
- **Stimulant Induced Impairment** - California Association of Toxicologists, Lake Tahoe CA, May 1996
- **Medical Toxicology** - American Academy of Forensic Sciences, Seattle WA, February 1995
- **Pharmacology and Toxicology of New Drugs: New Challenges for the Forensic Toxicologist** - American Academy of Forensic Sciences, Seattle WA, February 1995
- **Cocaine in Court: Practical Approaches to Key Forensic Issues** - American Academy of Forensic Sciences, Seattle WA, February 1995
- **Cocaine Psychosis Seminar** - Joint Meeting: Northwestern Association of Forensic Scientists & the Canadian Society of Forensic Science, Vancouver, BC, November 1994
- **Drug Recognition Expert Training Workshop** - Joint Meeting: Northwestern Association of Forensic Scientists & the Canadian Society of Forensic Science, Vancouver BC, November 1994
- **Human Performance/Drugs and Driving Workshop** - Joint Meeting: Society of Forensic Toxicologists & California Association of Toxicologists, Phoenix AZ, October 1993
- **Analytical Toxicology Workshop** - Joint Meeting: Society of Forensic Toxicologists & California Association of Toxicologists, Phoenix AZ, October 1993
- **Gas Chromatography/Mass Spectrometry Workshop** - Joint Meeting: Society of Forensic Toxicologists & California Association of Toxicologists, Phoenix AZ, October 1993
- **Alcohol Absorption and Dissipation Workshop** - Northwestern Association of Forensic Scientists, Portland OR, October 1988
- **Supervision of Breath Tests for Intoxication Programs** - Dr. Robert Borkestein, Director, Indiana University, May 1986
- **Rapid Drug Detection - Two Day Advanced Workshop** - Marion Laboratories Inc., Seattle WA, August 1985
- **Blood and Breath Alcohol Determinations Seminar** - The American Academy of Forensic Sciences, Las Vegas NV, February 1985
- **Toxicology Workshop - Drugs and Driving** - The American Academy of Forensic Sciences, Las Vegas NV, February 1985
- **Pharmacology/Physiology of Alcohol and Breathalyzer Theory** - Criminal Justice Training Center, Seattle WA, April 1980
- **Gas Chromatography Seminar** - Perkin-Elmer Corp., Seattle WA, April 1979

- **Atomic Absorption Spectroscopy Seminar** - Varian Corp., Seattle WA, November 1978
- **Principles of Gas Chromatography** - Hewlett-Packard Corp., Seattle WA, March 1975
- **Toxicology Workshop** - American Association of Clinical Chemists/Perkin-Elmer Corp., Irving Sunshine, Ph.D., Seattle WA, June 1974

PRESENTATIONS:

- Predmore DB, Formoso EF, Case GA, **Extraction of Drugs From Blood Using XAD-2 Resin** - Presented at the American Academy of Forensic Scientists Meeting, February 1989
- Case GA, Predmore DB, Formoso EF, **Breath vs Blood Alcohol Concentration: A Comparison of Five Breath Testing Instruments** - Presented at the American Academy of Forensic Scientists Meeting, February 1989

LICENSES:

- **Blood Alcohol Analyst Permit** - Originally issued May 1972 by the Washington State Toxicologist
- In charge of Blood Alcohol Analyst licensing program under the direction of the Washington State Toxicologist while employed with the Washington State Toxicology Laboratory

ANALYSES/TESTIMONY:

- Analyzed thousands of samples for the presence of alcohol
- Qualified as an expert in both the analyses of biological samples and the interpretation of their results
- Testified over nine hundred times as an expert in alcohol and drug related cases in Municipal, District, Superior, and US District courts in the State of Washington